

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-9. (Canceled)

10. (Original) An isolated, enriched or purified ALK-7 polypeptide.

11. (Original) The polypeptide of claim 10, wherein said polypeptide is a fragment of the protein encoded by the full length amino acid sequence set forth in SEQ ID NO:2.

12. (Amended) The polypeptide of claim 10, wherein said polypeptide comprises an amino acid sequence having

(a) the full length amino acid sequence set forth in SEQ ID NO:2;

(b) the full length amino acid sequence of the sequence set forth in SEQ ID NO:2, except that it lacks one ~~or more~~ of the following segments of amino acid residues 1-25, 26-113, 114-493, 137-493, 193-483 of SEQ ID NO:2;

(c) the amino acid sequence set forth in SEQ ID NO:2 from amino acid residues 1-25, 26-113, 114-493, 114-136, 137-493, or 193-483 of SEQ ID NO:2; or

(d) the full length amino acid sequence set forth in SEQ ID NO:2 except that it lacks one ~~or more~~ of the domains selected from the group consisting of a signal peptide, an extracellular region, a transmembrane domain, a cytoplasmic domain, and a catalytic domain.

Claims 13-22. (Canceled)

23. (New) The ALK-7 polypeptide of claim 10, having an amino acid sequence that is at least 95% identical to the sequence of SEQ ID NO:2.

24. (New) The polypeptide of claim 12, comprising one or more of the following segments of amino acid residues of SEQ ID NO:2: 26-113 and 193-485.

25. (New) The polypeptide of claim 12, comprising one or more of the following domains of the amino acid sequence set forth in SEQ ID NO: 2: the extracellular region and the catalytic domain.

26. (New) The polypeptide of claim 12, further comprising a second polypeptide fused to said polypeptide.

27. (New) The polypeptide of claim 26, wherein said second polypeptide is GST.